



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, Northwest

ILZ007-009-015>018-024>026-034>035 **Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - McDonough**

02	0100CST 0900CST			0	0		Fog
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Clearing skies, light winds and a damp ground led to the formation of dense fog over the region. No injuries were reported.

**Jo Daviess County
Galena**

08	0650CST			0	0	1K	Thunderstorm Wind
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**Jo Daviess County
Hanover**

08	0650CST			0	0	1K	Thunderstorm Wind
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**Jo Daviess County
Warren**

08	0650CST			0	0	1K	Thunderstorm Wind
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A complex of storms which developed along a cold front from Southwest Minnesota into Northwest Iowa Sunday evening, moved into Northwest Illinois along and north of Interstate 88 during the morning. Even though the storms were in the weakening stages, they managed to down several trees, limbs and power lines throughout Jo Daviess County.

**Warren County
Roseville**

08	1955CST			0	0		Hail(0.88)
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**Hancock County
Hamilton**

08	2006CST			0	0	1K	Thunderstorm Wind
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**Henry County
4 W Kewanee**

08	2011CST	0.1	10	0	0		Tornado (F0)
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**Hancock County
La Harpe**

08	2012CST			0	0		Hail(1.00)
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**Henry County
Kewanee**

08	2020CST			0	0		Thunderstorm Wind (E52)
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An outflow boundary laid down from morning thunderstorms was located in an east-west fashion near the Illinois and Wisconsin border by early afternoon. The outflow intersected an advancing cold front over East Central Iowa, which enhanced low level convergence. However, the atmosphere remained strongly capped, which allowed for only isolated thunderstorms to develop over Eastern Iowa by mid afternoon. These storms did not generate any reports of severe weather in Eastern Iowa, although they did produce heavy rain, gusty winds and small hail. As the thunderstorms crossed the Mississippi River into West Central Illinois during the evening they intensified. The cap had eroded with the aid of an upper level jet max. The atmosphere was very unstable with Capes of 2500-3500 J/Kg, while deep layer shear from the surface to 6 kilometers was marginal for supercells at 30 to 40 knots. The storms quickly became severe producing large hail and damaging winds in Hancock, Warren and Henry Counties. A weak, short lived tornado was spawned by one of the storms 4 miles west of Kewanee. The tornado touched down in a rural area doing no damage and causing no injuries.

**Jo Daviess County
East Dubuque**

11	0715CST			0	0		Hail(1.75)
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**Whiteside County
Erie**

11	0716CST			0	0		Hail(1.75)
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**Whiteside County
Prophetstown**

11	0721CST			0	0		Hail(1.75)
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					Killed	Injured	Crops			
<u>ILLINOIS, Northwest</u>										
Whiteside County Prophetstown	11	0724CST			0	0				Hail(1.75)
Jo Daviess County Warren	11	0755CST			0	0				Hail(1.75)
Bureau County Ohio	11	0812CST			0	0				Hail(1.00)
Stephenson County Orangeville	11	0815CST			0	0				Hail(0.75)
Stephenson County 6 N Freeport	11	0845CST			0	0				Urban/Sml Stream Fld
Strong warm air advection led to rapid development of thunderstorms over Northwest Illinois during the morning. Most of the storms were elevated, limiting the main threat to large hail. There were many reports of hail reaching golfball size. The storms also produced heavy rain. Several roads and roadside ditches were submerged in water north of Freeport in Stephenson County.										
Jo Daviess County Apple River	17	0935CST			0	0				Hail(0.88)
Whiteside County Rock Falls	18	1127CST			0	0				Hail(0.75)
Whiteside County Morrison	18	1155CST			0	0				Hail(0.75)
Whiteside County Sterling	18	1205CST			0	0				Hail(0.88)
Rock Island County Rock Is	18	1335CST			0	0				Hail(0.75)
Henry County Orion	18	1350CST	0.1	10	0	0				Tornado (F0)
Rock Island County 2 S Coal Vly	18	1358CST			0	0				Hail(0.75)
Rock Island County Silvis	18	1400CST			0	0		2K		Thunderstorm Wind (E52)
Henry County Cambridge	18	1409CST			0	0		50K		Thunderstorm Wind
Henry County 3 S Geneseo	18	1409CST	0.1	10	0	0				Tornado (F0)
Henry County 2 N Woodhull	18	1411CST	0.1	10	0	0				Tornado (F0)
Bureau County Walnut	18	1425CST			0	0		5K		Hail(1.00)
Bureau County Princeton	18	1430CST			0	0		30K		Thunderstorm Wind
Whiteside County Prophetstown	18	1430CST			0	0				Hail(0.75)
Henry County 3 N Galva	18	1434CST	0.1	10	0	0				Tornado (F0)
Whiteside County Tampico	18	1435CST			0	0				Hail(0.75)



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ILLINOIS, Northwest

Bureau County

Manlius	18	1450CST	0.1	10	0	0	15K	Tornado (F0)
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Bureau County

Neponset	18	1500CST	0.1	10	0	0	10K	Tornado (F0)
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A frontal boundary meandering about Southern Iowa and Central Illinois lifted into Central Iowa and North Central Illinois by afternoon. A nearly stacked low center over the Mid Missouri River Valley underwent filling as it shifted eastward across Southern Iowa and Central Illinois. Much of Northern Illinois along and north of Interstate 88 was thrust into the warm sector where temperatures climbed into the upper 70s to lower 80s. Meanwhile, areas north of the boundary were quite cool with a brisk northeast surface wind and plenty of cloud cover keeping temperatures down in the 60s. 12z soundings from KILX and KDVN indicated very steep lapse rates with Cape values of 2000-3000 J/kg. Thunderstorms quickly erupted along the boundary from Central Iowa through Northeast Iowa into Northern Illinois by late morning, and continued through the afternoon. The storms produced large hail, heavy rain, damaging winds and several tornadoes over portions of Northwest Illinois. Thunderstorm interaction with the frontal boundary was believed to be the culprit for spawning 6 weak and short lived tornadoes across Henry and Bureau Counties. The only damage occurring with the tornadoes was in Manlius and Neponset where large trees and signs were blown down. High winds, associated with a possible gustnado, blew down the back wall and knocked out several windows of an abandoned grocery store in Cambridge. The glass and bricks were hurled to the ground, causing damage to a truck parked on one side of the building. The high winds also downed several trees and power lines. Power was knocked out to Cambridge and surrounding areas for almost 4 hours.

Mercer County

Keithsburg	31	0330CST			0	0		Flash Flood
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Heavy rain of 2 to 3 inches fell in a short period of time, which produced widespread street flooding in Keithsburg. Several county roads were closed due to standing water.

Henry County

Kewanee	31	1230CST			0	0		Hail(0.75)
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Rock Island County

Rock Is	31	1245CST			0	0		Urban/Sml Stream Fld
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Henry County

Countywide	31	1255CST			0	0		Urban/Sml Stream Fld
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Putnam County

Hennepin	31	1257CST			0	0		Thunderstorm Wind (E56)
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Putnam County

Mt Palatine	31	1257CST			0	0	30K	Thunderstorm Wind (E56)
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Bureau County

Buda	31	1300CST			0	0	5K	Thunderstorm Wind
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Bureau County

Manlius	31	1300CST			0	0	1K	Thunderstorm Wind
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Bureau County

Princeton	31	1300CST			0	0	1K	Thunderstorm Wind
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Bureau County

Walnut	31	1300CST			0	0	1K	Thunderstorm Wind
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Mesoanalysis during the early morning depicted an outflow boundary extending from Central Illinois into Central Iowa with a cold front extending from Northeast Iowa into Eastern Nebraska, intersecting the outflow interface near Des Moines. An elevated bow MCS (Mesoscale Convective System) developed between Mason City, Iowa and Marshalltown, Iowa, and raced eastward through



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					Killed	Injured	Property Crops	

ILLINOIS, Northwest

Eastern Iowa and into Northwest and North Central Illinois during the early afternoon. The system, although weakening, still managed to produce several reports of high winds and heavy rain. Winds were estimated at 65 mph in a few areas, knocking down large trees and limbs. Strong straight line winds destroyed a barn in Mount Palatine. The second story of the barn was torn off, leaving twisted sheet metal and lumber strewn over several acres. Recent rains had already saturated the ground throughout Northwest Illinois. Additional heavy rain with this system caused localized flooding of streets and low-lying areas in Rock Island and Henry Counties.

Whiteside County Morrison	31	1550CST			0	0		Hail(1.00)
Whiteside County Morrison	31	1557CST			0	0		Hail(1.75)
Whiteside County Morrison	31	1715CST			0	0		Urban/Sml Stream Fld
Henry County 2 S Cambridge	31	1720CST			0	0		Hail(1.00)
Whiteside County Countywide	31	1900CST			0	0		Urban/Sml Stream Fld
Henry County Countywide	31	1915CST			0	0		Urban/Sml Stream Fld
Bureau County Countywide	31	1930CST			0	0		Urban/Sml Stream Fld
Putnam County Countywide	31	1930CST			0	0		Urban/Sml Stream Fld

he atmosphere recharged within a few hours of the passage of the bow MCS. Thunderstorms redeveloped from Southern Minnesota into Northern Iowa, and moved back into Northwest Illinois during the late afternoon and continued for much of the evening. With the atmosphere slightly more stable, the threat transitioned from hail and high wind to heavy rain and flooding. Early on there were reports of golfball sized hail in Whiteside County and 1 inch hail in Henry County. With this being the third round of convection to affect the area in the last 36 hrs, soils were very saturated. 1 to 4 inches of rain had already fallen across much of Northwest Illinois with isolated higher amounts. Additional heavy rain during the late afternoon and evening sent several creeks and streams out of their banks, including Rock Creek in Whiteside County. Several roads were washed out in Whiteside, Henry, Bureau and Putnam Counties.

IOWA, East Central and Southeast

IAZ066>068-078-088>089- Clinton - Muscatine - Scott - Louisa - Henry - Des Moines - Van Buren - Lee
098>099

02	0100CST 0900CST	0	0				Fog
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Clearing skies, light winds and a damp ground led to the formation of dense fog over the region. No injuries were reported.

Benton County Belle Plaine	08	0515CST			0	0	1K	Thunderstorm Wind
Benton County Vinton	08	0520CST			0	0		Thunderstorm Wind (M52)
Jones County 4 N Anamosa	08	0530CST			0	0	10K	Thunderstorm Wind



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IOWA, East Central and Southeast

Linn County									
Cedar Rapids	08	0530CST			0	0			Thunderstorm Wind (E61)
Linn County									
Cedar Rapids	08	0535CST			0	0	2K		Thunderstorm Wind
Linn County									
Cedar Rapids	08	0540CST			0	0	1K		Thunderstorm Wind
Dubuque County									
Dubuque	08	0641CST			0	0			Flash Flood

A complex of storms which developed along a cold front from Southwest Minnesota into Northwest Iowa Sunday evening, moved across areas north of Interstate 80 during the morning. The storms packed a punch as strong winds of 60 to 70 mph downed trees and limbs from Vinton to Cedar Rapids and Belle Plaine. The high winds were also responsible for destroying a 3 car garage north of Anamosa. Heavy rain also accompanied the storms. Flash flooding was observed in Dubuque where water over a foot deep covered several city streets.

Muscatine County									
West Liberty	11	0545CST			0	0			Hail(0.88)
Cedar County									
Mechanicsville	11	0600CST			0	0			Hail(0.75)
Delaware County									
3 NE Dundee	11	0620CST			0	0			Hail(1.75)
Clinton County									
Dewitt	11	0637CST			0	0			Hail(0.88)
Dubuque County									
Holy Cross	11	0658CST			0	0			Hail(0.75)
Dubuque County									
Rickardsville	11	0658CST			0	0			Hail(1.00)
Scott County									
Princeton	11	0701CST			0	0			Hail(1.75)
Scott County									
5 N Long Grove	11	0705CST			0	0			Hail(1.50)
Dubuque County									
Dubuque	11	0710CST			0	0			Hail(1.75)
Dubuque County									
Dubuque	11	0712CST			0	0			Hail(0.75)
Dubuque County									
Dubuque	11	0715CST			0	0			Hail(1.75)
Clinton County									
Dewitt	11	0735CST			0	0			Hail(1.00)
Clinton County									
Clinton	11	0753CST			0	0			Hail(1.00)

Strong warm air advection led to rapid development of thunderstorms over Eastern Iowa during the morning. Most of the storms were elevated, limiting the main threat to large hail. There were several reports of hail reaching golfball size.



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IOWA, East Central and Southeast

Buchanan County

1.5 SW Fairbank to 3 SE Fairbank	11	1845CST 1856CST	0.1	10	0	0		Tornado (F0)
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A weak tornado, which produced no damage in Buchanan County, moved into the extreme northwest part of the county from Black Hawk County around 8 pm CDT. The tornado was rated an F0 with an estimated path length of 2 miles. This is likely the decaying stage of the tornado which hit Dunkerton in Black Hawk County.

Buchanan County

Fairbank	11	1852CST			0	0		Hail(1.75)
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Buchanan County

Fairbank	11	1915CST			0	0		Thunderstorm Wind (M61)
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Buchanan County

3 SE Littleton	11	1919CST	0.1	10	0	0	2K	Tornado (F0)
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A third tornado briefly touched down 3 miles southeast of Littleton. It produced F0 damage mainly to trees with a path length of only about an 1/8 mile.

Buchanan County

4 SW Hazelton to 4 SE Hazelton	11	1920CST 1943CST	8	333	0	0	1.5M	Tornado (F1)
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A second tornado touched down 4 miles southwest of Hazelton with a continuous path for 8 miles to a point 4 miles southeast of Hazelton. At its maximum, it produced F1 damage with a path width of about 1000 feet. This includes damage to major power lines and a couple of farms. This was the strongest tornado in Buchanan County.

Buchanan County

8 SE Hazelton to 4 SE Aurora	11	1945CST 2003CST	5.5	220	0	0	50K	Tornado (F0)
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The fourth and last tornado, which was part of a family which includes the F1 event south of Hazelton, touched down 8 miles east southeast of Hazelton to 4 miles south southeast of Aurora. It was rated an F0 with a path length of 5 1/2 miles and width of about 1/8 mile.

Buchanan County

Countywide	11	2034CST			0	0		Urban/Sml Stream Fld
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Delaware County

Dundee	11	2045CST			0	0		Hail(1.75)
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Delaware County

Greeley	11	2045CST			0	0		Hail(1.75)
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Delaware County

1 W Manchester	11	2045CST			0	0		Funnel Cloud
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Delaware County

Colesburg	11	2140CST			0	0		Thunderstorm Wind (M61)
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Strong warm air advection, responsible for triggering severe thunderstorms during the morning, essentially led to a strong capping inversion during the afternoon over Eastern Iowa. Mesoanalysis during the late afternoon showed low pressure west of Des Moines, with a warm front extending eastward across Northern Iowa into Southern Wisconsin. Temperatures during the afternoon climbed well into the 90s and low 100s over Southwest Iowa. The airmass was very unstable with surface based CAPE values in excess of 4000 J/Kg. Strong shear created a favorable environment for supercell development. Convergence to the east of the surface low sufficiently eroded the cap by late afternoon, leading to explosive development of an isolated supercell near Waterloo. This supercell produced a tornado in Dunkerton in Black Hawk County, which did extensive damage. This same tornado weakened as it moved into Buchanan County. Other weak tornadoes were spawned in Buchanan County. There were also indications of scattered damage produced by downbursts with the second and fourth tornadoes. Iowa governor Tom Vilsack signed a proclamation declaring Black Hawk and Buchanan Counties disaster areas. Damage was estimated at over 1 million dollars. Most of the damage in Buchanan County came on four farms. The damage was spread along an eight mile stretch south of Hazelton. Machine sheds, grain bins and outbuildings were blown apart. Damage also occurred to farm equipment with minor damage to a few houses.



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IOWA, East Central and Southeast

Scott County

Le Claire	17	0605CST			0	0			Hail(0.75)
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Delaware County

Manchester	17	0735CST 0745CST			0	0	4M	2K	Hail(1.75)
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Delaware County

Greeley	17	0755CST			0	0			Hail(1.25)
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Delaware County

Petersburg	17	0800CST			0	0			Hail(1.75)
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Delaware County

Colesburg	17	0802CST			0	0			Hail(1.25)
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Dubuque County

Luxemburg	17	0823CST			0	0			Hail(0.75)
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Dubuque County

New Vienna	17	0823CST			0	0			Hail(1.00)
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A stationary front extended from the plains across Southern Iowa into Central Illinois. The boundary separated cool air to the north from warm air to the south. Morning temperatures ranged from the upper 40s over Southern Wisconsin to the middle 60s over Southeast Iowa and Central Illinois. A cluster of thunderstorms developed during the morning over Northeast Iowa from near Waterloo to Independence. As these storms moved east into Delaware and Dubuque counties they became severe, producing large hail. Hail the size of golfballs battered the city of Manchester for 10 minutes causing extensive damage to cars, trees and several roofs. Damage affected virtually every vehicle parked in the city of Manchester. Bob Stephen Motors in Manchester received significant hail damage. Some of the building's roof shingles were torn off and about 180 cars and trucks were badly damaged. Damage to each new vehicle was estimated at \$4,000 to \$5,000. At J.M. Jones & Sons car dealership at the west edge of Manchester, the story was the same. Extensive damage to 125 vehicles, including 40 new. The West Delaware School District also suffered significant damage. Damage included torn roofs, broken windows and shattered skylights. Three buses and several smaller school-owned vehicles also received damage. Remarkably, no one was injured. Crops escaped significant damage with most fields just showing the first signs of emerging soybeans and corn. Most of the corn was at the three to four leaf level which kept damage to a minimum. Thunderstorms also moved through the Quad Cities, but were not as intense, producing mainly small hail, very heavy rain and vivid lightning. The thunderstorms lifted into Southern Wisconsin during the afternoon where they continued to produce severe weather.

Delaware County

Colesburg	18	0450CST			0	0			Hail(1.00)
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Buchanan County

Jesup	18	1015CST			0	0	5K		Thunderstorm Wind (E54)
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A large tree was blown down by high winds.

Linn County

Ely	18	1130CST			0	0			Hail(1.75)
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Delaware County

Colesburg	18	1134CST			0	0			Hail(1.00)
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Linn County

6 S Cedar Rapids	18	1140CST			0	0			Hail(1.75)
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Washington County

Washington	18	1140CST			0	0	5K		Thunderstorm Wind
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A house trailer being transported was blown onto it's side by high winds.



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<u>IOWA, East Central and Southeast</u>									
Muscatine County									
6 W Muscatine to Muscatine	18	1145CST			0	0	50K		Thunderstorm Wind
A barn suffered significant damage due to high winds. The roof caved in and pieces of the wood structure were spread across the farmland.									
Linn County									
Palo	18	1148CST			0	0			Hail(1.75)
Washington County									
Washington	18	1149CST			0	0	2M	50K	Hail(1.75)
Linn County									
3 S Cedar Rapids	18	1151CST			0	0			Hail(2.50)
Jefferson County									
6 N Fairfield	18	1153CST			0	0			Hail(1.50)
Washington County									
Washington	18	1155CST			0	0			Hail(1.50)
Washington County									
8 E Washington	18	1205CST			0	0			Hail(1.75)
Washington County									
Washington	18	1220CST			0	0			Hail(1.75)
Muscatine County									
3 NW Muscatine	18	1230CST			0	0			Funnel Cloud
Muscatine County									
1 S Muscatine	18	1255CST			0	0			Funnel Cloud
Muscatine County									
Muscatine	18	1255CST			0	0	250K		Hail(1.75)
Muscatine County									
Wilton	18	1255CST			0	0			Hail(1.75)
Iowa County									
3 NW Millersburg	18	1312CST	0.1	10	0	0			Tornado (F0)
Scott County									
Walcott	18	1315CST			0	0			Hail(1.75)
Iowa County									
1 W North English	18	1320CST	0.1	10	0	0			Tornado (F0)
Scott County									
Blue Grass	18	1325CST			0	0			Hail(0.88)
Scott County									
1 W Eldridge	18	1325CST			0	0			Hail(0.75)
Muscatine County									
Muscatine	18	1330CST			0	0			Urban/Sml Stream Fld
Standing water was reported at several intersections in Muscatine.									
Scott County									
Davenport	18	1330CST 1333CST			0	0			Hail(0.75)
Scott County									
Davenport	18	1330CST 1340CST			0	0			Urban/Sml Stream Fld
Two inches of rain fell in a short period of time causing street flooding in Davenport. One of the harder hit areas was West Locust Street near St. Ambrose University. Standing water forced those who wanted to get to their cars to roll up their pants, remove their shoes and socks and wade in.									



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					Killed	Injured	Property	Crops	

IOWA, East Central and Southeast

Scott County

Buffalo	18	1335CST			0	0			Hail(2.00)
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Scott County

Davenport	18	1336CST			0	0			Hail(0.88)
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Scott County

Bettendorf	18	1340CST 1355CST			0	0			Urban/Sml Stream Fld
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The same frontal boundary meandering about Southern Iowa and Central Illinois lifted into Central Iowa and North Central Illinois by afternoon. A nearly stacked low center over the Mid Missouri River Valley underwent filling as it shifted eastward across Southern Iowa and Central Illinois. Much of Eastern Iowa along and south of U.S. Highway 30 was thrust into the warm sector where temperatures climbed into the upper 70s to lower 80s. Meanwhile, areas north of the boundary were quite cool with a brisk northeast surface wind and plenty of cloud cover keeping temperatures down in the 60s. 12z soundings from KILX and KDVN indicated very steep lapse rates with Cape values of 2000-3000 J-k. Thunderstorms quickly erupted along the boundary from Central Iowa through Northeast Iowa into Northern Illinois by late morning, and continued through the afternoon producing a few reports of large hail and torrential rain. Further south, a few supercells developed near Ottumwa. These supercells moved east into Washington...Jefferson and Iowa Counties producing large hail, high winds and a couple of brief, weak tornadoes in Iowa County. An F0 tornado touched down 3 miles northwest of Millersburg while another touched down several minutes later just west of North English. Both tornadoes were short lived and produced no damage. All auto dealerships in the city of Washington reported that nearly every car on their outside lots was damaged by the hail, which was as large as golfballs. Many homes suffered hail damage to siding, roofs and windows. The hail covered the ground in spots and was reported to have drifted as high as a foot up against the sides of some buildings in town. Damage to corn crops was minimal, while soybean crops were not as lucky, as many suffered extensive damage. Many acres had to be replanted. High winds were responsible for blowing a house trailer onto it's side while being transported north of Washington on Riverside Road. The supercell over Jefferson County weakened, while the Washington County supercell tracked northeast into Muscatine County producing golfball size hail, torrential rain, high winds and a few funnel clouds. Hail damaged several cars in Muscatine. High winds caved the roof in on a barn 6 miles west of Muscatine and scattered pieces of the wood structure across the farmland. The supercell then gradually weakened as it moved into the Quad Cities, but still managed to produce penny to golfball sized hail and high winds in Central and Western Scott County. Torrential rainfall on the order of 2 to 3 inches an hour led to localized street flooding throughout the Quad Cities and surrounding areas. When the storms hit the Quad Cities the temperature at the Davenport Municipal Airport plummeted from 83 to 55 degrees.

Jones County

Anamosa	30	2055CST			0	0			Hail(0.75)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

IOWA, East Central and Southeast

Jones County

Anamosa	30	2056CST			0	0			Hail(1.00)
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Louisa County

Columbus Jct	31	0005CST			0	0			Hail(0.75)
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Louisa County

Wapello	31	0027CST			0	0			Hail(1.00)
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Louisa County

Columbus Jct	31	0255CST			0	0			Flash Flood
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Severe thunderstorms erupted west of a line from Waterloo to Des Moines Tuesday evening. The storms weakened some as they moved into Eastern Iowa late Tuesday evening, and continued through the early morning on Wednesday. A few reports of large hail were received from Jones and Louisa Counties, but mainly the storms brought vivid lightning and heavy rain. 2 to 3 inches of rain fell in Columbus Junction sending Buck and Richey Creeks out of their banks, while standing water forced the closure of some streets.

Benton County

Mt Auburn	31	0943CST			0	0			Thunderstorm Wind (M52)
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Buchanan County

Fairbank	31	1010CST			0	0	1K		Thunderstorm Wind (EG60)
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Linn County

Alburnett	31	1012CST	0.1	10	0	1	50K		Tornado (F1)
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A tornado touched down at Alburnett causing damage. The center section of the horse barn roof at Strand Arabian Stables was torn off. Sheet metal from the horse barn roof littered surrounding yards, and one woman was cut by the sheet metal. She was taken to St. Luke's Hospital where she was treated and released. There were about 45 horses on the grounds of the stables when the tornado hit, but incredibly none were hurt. A barn also collapsed along Lafayette Road. Ten cows were inside the barn, and one was killed. Damage was also found along East Otter Road. A house had it's roof damaged and siding taken off, and a small shed was destroyed. A minivan was pushed off of a driveway and had it's windows broken out. A garage door was also pushed in on a garage.

Buchanan County

Fairbank	31	1015CST			0	0			Thunderstorm Wind (M61)
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Buchanan County

Independence	31	1025CST			0	0			Flash Flood
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Delaware County

Manchester	31	1028CST			0	0			Hail(0.75)
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Jones County

Center Jct	31	1100CST	0.1	10	0	0	10K		Tornado (F0)
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A tornado touched down briefly at Center Junction. The tornado knocked down several large trees and numerous limbs, blocking a few roads. No injuries were reported.

Buchanan County

Fairbank	31	1110CST			0	0			Flash Flood
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Scott County

Le Claire	31	1135CST			0	0			Urban/Sml Stream Fld
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Scott County

Eldridge	31	1138CST			0	0			Hail(0.75)
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National Weather Service

Storm Data and Unusual Weather Phenomena



May 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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IOWA, East Central and Southeast

Scott County									
Davenport	31	1145CST			0	0			Thunderstorm Wind (E52)
Buchanan County									
Hazleton	31	1222CST			0	0			Flash Flood
Scott County									
Davenport	31	1230CST			0	0	20K		Lightning
Lightning struck a home on West 47th Street in Davenport. Lightning struck the roof and within minutes started a fire. The fire was confined to the attic, causing \$20,000 in damage.									

Mesoanalysis during the early morning depicted an outflow boundary extending from Central Illinois into Central Iowa with a cold front extending from Northeast Iowa into Eastern Nebraska, intersecting the outflow interface near Des Moines. An elevated bow MCS (Mesoscale Convective System) developed between Mason City and Marshalltown, and raced eastward into Eastern Iowa during the late morning and early afternoon. This system packed high winds and heavy rain as it swept across Eastern Iowa, mainly along and north of Interstate 80. Winds were measured at 60 to 70 mph over portions of the area, knocking down trees and limbs. Recent rains had already saturated the ground throughout Northeast and East Central Iowa. Additional heavy rain with this system forced creeks and streams out of their banks in Buchanan County, washing out several roads. The Little Wapsipinicon River at Fairbank was also sent out of its banks. Doppler radar estimated rainfall rates of 2 to 3 inches per hour. The heavy rain also caused Duck Creek in Davenport to rise to bankfull in areas, and flooded portions of the bike path and surrounding areas near Brady Street. The bow MCS also spawned two weak tornadoes, one which touched down briefly at Alburnett in Linn County, and the other at Center Junction in Jones County.

Buchanan County									
Fairbank	31	1515CST			0	0			Flash Flood
Delaware County									
Countywide	31	1535CST			0	0			Flash Flood
Dubuque County									
5 E New Vienna	31	2020CST			0	0			Hail(0.75)
The atmosphere recharged within a few hours of the passage of the bow MCS. Thunderstorms redeveloped from Southern Minnesota into Northern Iowa, and moved back into Eastern Iowa during the late afternoon and continued for much of the evening. With the atmosphere slightly more stable, the threat transitioned from hail and high wind to heavy rain and flash flooding. With this being the third round of convection to affect the area in the last 36 hrs, soils were very saturated. 1 to 4 inches of rain had already fallen across much of Northeast Iowa with isolated higher amounts. Additional heavy rain during the late afternoon and evening sent several creeks and streams out of their banks. Heavy rain forced the Little Wapsipinicon River at Fairbank out of its banks for the second time in less than 24 hours. Several roads throughout Delaware County from Greeley to Edgewood were washed out and impassable. Many area rivers were sent to bankfull.									

MISSOURI, Northeast

MOZ009>010	Scotland - Clark								
	02	0100CST			0	0			Fog
		0900CST							
Clearing skies, light winds and a damp ground led to the formation of dense fog over the region. No injuries were reported.									